

OICE

RAW SEQUENCE LISTING

DATE: 06/12/2001

PATENT APPLICATION: US/09/864,711

TIME: 14:33:14

Input Set : A:\PB0008-1CIPSEQLIST.txt

Output Set: N:\CRF3\06122001\I864711.raw

Does Not Apply
Corrected Diskette Needed

3 <110> APPLICANT: Walker, Michael G.
 4 Volkmoth, Wayne
 5 Klingler, Tod M.
 7 <120> TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
 9 <130> FILE REFERENCE: PB-0008-1 CIP
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/864,711
 C--> 12 <141> CURRENT FILING DATE: 2001-05-23
 14 <160> NUMBER OF SEQ ID NOS: 15
 16 <170> SOFTWARE: PERL Program
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 1966
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Homo sapiens
 W--> 23 <220> FEATURE: <222> OTHER INFORMATION: 223163CT1
 26 <400> SEQUENCE: 1
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 28 ggaatgacaa tggcggaggg tgaaggcaat gcaagctgca cagtcagtct aggggggtgcc 120
 29 aatatggcag agaccacaaa agccatgata ctgcaactca atcccagtga gaactgcacc 180
 30 tggacaatat aaagaccaga aaacaaaagg atcagaatta ttttttcta tgtccagctt 240
 31 gatacagatg gaagctgtga aagtgaaaa attaaagtct ttgaagggaac ctccagcaat 300
 32 gggcctctgc tagggcaagt ctgcagtata aacgactatg ttccgtgatt tgaatcaca 360
 33 tccagtacat tgaagtttca aatagttact gactcagcaa gaattcaaa aactgtcttt 420
 34 gtctctact actctctctc tctaacata totattccaa actgtggggg ttacctggat 480
 35 accttggaag gatcttcaac cagccccaat taccacaagg cgcctctga gctggcttat 540
 36 tgtgtgtggc acatacaagt ggagaaagat tacaagataa aactaaactt caaagagatt 600
 37 ttctagaaa tagacaaaac gtgcaaatct gattttcttg ccctctatga tggccctctc 660
 38 accaactctg gctgatttgg acaagtctgt ggcctgttga ctcccacctt cgaatcgta 720
 39 tcaaacctct tgaactgtgt gttgtctaca gattatgcca attcttaccg gggattttct 780
 40 gcttctctca cctcaattta tgcagaaaac atcaacacti catctttaa ttgtctctct 840
 41 gacaggatga gatttattat aagcaaatcc taactagagg cttttaactc taatgggaat 900
 42 aacttgcaac taaaagacc aacttgcaqa ccaaaattat caaatgttgt ggaattttct 960
 43 gtctctctta atggatgttg tacaatcaga aaggtagaag atcagtcaat taattacac 1020
 44 aataaatca cctttctctg atctcaact tctgaagtga tcaacctga gaaacaactc 1080
 45 cagattattg tgaagtgtga aatgggacat aattctacag tggagataat atacataaca 1140
 46 gaagatgatg taatacaaaag tcaaaatgca ctgggcaaat ataacaccag catggctctt 1200
 47 tttqaatcca attcatttga aaagactata ctggaatcac catattatgt ggatttgaac 1260
 48 caaactcttt ttgttcaagt tagctctgac acctcagatc caaatttggg ggtgtttctt 1320
 49 gatacctgta gaggctctcc cactctgac tttgcactc caacctacga cctaatacaag 1380
 50 agtqqatgta gtccagatga aacttgtaag gtgtatccct tatttggaca ctatgggaga 1440
 51 ttccagtita atgcctttaa attcttgaga agtatgagct ctgtgtatct gcagtgtaaa 1500
 52 gtttggatat gtgatagcag tgaccaccag tctcctctga atcaagggtt tctctccaga 1560
 53 agcaaacgag acatttcttc atataaatgg aaaacagatt ccatcatagg acccattcgt 1620
 54 ctgaaaaggg atcgaagtgc aagtggcaat tcaggatttc agcatgaaac acatgcggaa 1680
 55 gaaactccaa accagccttt caacagtgtg catctgtttt ccttcactgt tctagctctg 1740
 56 aatgtgtgta ctgtagcgac aatcacagtg aggcattttt taaatcaacg ggcagactac 1800
 57 aaataccaga agctgcagaa ctattaacta acaggctcaa ccttaagtga gacatgtttc 1860

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58 tccaggatgc caaaggaaat gctacctcgt ggctacacat attatgaata aatgaggaag 1920
 59 ggcctgaaaag tgacacacag gectgcctgt caaaaaaaaa aaaaaa 1966

62 <210> SEQ ID NO: 2

63 <211> LENGTH: 924

64 <212> TYPE: DNA

65 <213> ORGANISM: Homo sapiens

W--> 67 <220> FEATURE: -

68 <223> OTHER INFORMATION: 884692CB1

70 <400> SEQUENCE: 2

71 acacatctca ttttcatttt cacaaccagg taggtattat ttagttattg tagaaaggca 60
 72 aagtcattgg ccccaatta tatagctaaa agaaagtctc tacttgatga gattcaaaac 120
 73 cagttttgtt tggcatgaca gtgataattt tctagattga gataaccaca gcctcggaat 180
 74 tggggccata gctggaacca gttctggaca cagttcttgg tccagagctg cccattgtag 240
 75 gaggagtcta gatagaatcc aggcatttta attttgatat aataaaaagt catcctccct 300
 76 acattcttgc tcaagaagtc aagtcgcag tgaagtaacc gcctcgacc tagccgggt 360
 77 tctagatttg gggccatca ctgggagag tgcacagtct cccgggtgtc tgaatggaac 420
 78 ccttagaact gcagggttcc tggtgccctg gcctatggtc ctctgactg tctctctggc 480
 79 ttgctgttgc tgaagctcc gctgagcacc tggccttgaa gtttctgttc ttccctctgg 540
 80 ccttgctccc ctccagcact tctgcttccc actccaatcc acacaggctt ggtatttaaca 600
 81 gattcaagtc caggttaggt taggaaaagg gaagagcttt cactctcttt aaaactctcg 660
 82 ctttggcgca gtggctcatg cctgtaatcc cagcattttg gtaggctgag gcaggtggat 720
 83 cacttgaggt cagcagttca aaatcagcct ggccaaaatg ctgaaaactct gtctctacta 780
 84 aaaaacaaa aatttagcag gcctggctgg aggcgcctgt aatcccagct actcgggagg 840
 85 ccaaggcagg agattgtct gaactcagg ggtggaggtt gcagttagtt gagattgtgc 900
 86 cttgcactc cagcctggca acat 924

87 <210> SEQ ID NO: 3

90 <211> LENGTH: 845

91 <212> TYPE: DNA

92 <213> ORGANISM: Homo sapiens

W--> 94 <220> FEATURE: -

95 <223> OTHER INFORMATION: 338246CB1

97 <400> SEQUENCE: 3

98 ttgcaatgag ccaatattgt gcaactacac tccagcctgg gcaacagagt gagactccat 60
 99 ctcaaaaaaa aaaaaaaa aaagaaaact aagattaaqt tactacaatg acagaaataga 120
 100 aagtgtcacc tacatgtaat ataggctcaga aggagagcaa cagaagaata caccatgtg 180
 101 caccacacac catacatata tggacatgtg tgcaacttgt gcatacacac acaaacacac 240
 102 acacatgtgc gtgcaatata ccacaatata ccctcctcct ttctatttat gtgagacta 300
 103 gtccaatcga tttttctgtc acctaaagat ttacctacc caggagcctg ccttccacac 360
 104 atacattaat aacaccaacc agtaattgtc aaaggaaaaa ttacaaacc agaaaattaa 420
 105 agtcattctg cacttgccct tggtttaaca ggcatttcac tcttgccacc tttctgtccc 480
 106 tctcattaat aagcatctta ttgatacagt ttatactcca aattctccag gcttgtgaaa 540
 107 gtttctcag gattgcttga aaatgaaagt cctggccagg tgcgcagtgg ctcctgctg 600
 108 taatccacag actttgagag gccagggcgg gtggatcacc cgaggtcagg agttcaagac 660
 109 caccgtagcc aacatggtga aacctgtct ctactaaaag taaaaaatt agccaggtgt 720
 110 ggtcgcagge gctgtagtc ctagctactc aggaggtcga ggcagagaaa ttgcttaaat 780
 111 ccggaggcag aggttgcaqt gactgagat cgcgcctctg cactccagcc tgccgacaga 840
 112 atggg 845

115 <210> SEQ ID NO: 4

116 <211> LENGTH: 1739

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117 <212> TYPE: DNA

118 <213> ORGANISM: Homo sapiens

W--> 120 <220> FEATURE: -

121 <223> OTHER INFORMATION: 888309CB1

123 <400> SEQUENCE: 4

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124 cccacgggtc cgggggcatt gacctgaggt caagggaatg tgggtctctc aatccatttg 60
125 ctgttaagcc agtgggtttg caaggatagg agggcagggt tggagcfaat ttccagggtc 120
126 gcttctgggc cgtggcctca ggaatgggt ctgacatggg caggcttgac ccttgaggga 180
127 tgaagacact gaagatgata attctgttaa tgtaggagct atgttttcat agccacagg 240
128 tcttcattgc agggacatgg gcagactctt ggggacaagt cactactgtc tctgagcctg 300
129 aatttctctc tctgtaaaat gaggataagg taataataat acccaaccata cagggtctatt 360
130 atgataacta aatcagagca gtccaattgg gcaggctcag gagggtgatg atttctctgc 420
131 ccaaggagga agcaagcaga gtgagatgtc ccatgggtag ggatgtcata gacaaacaag 480
132 cactaagccc tggacagggg atggatgagc ctcccaactg gattatttcc ctccatcact 540
133 gaattctaac aagggccttt gatcttgctt ttggcacaag catgccttcc tctgagcaca 600
134 ctacagatcc ctatgggaag gagagtgttc taggcagcag gacaagaagg agcatgacac 660
135 atttggaaaa cggagccaca gtgtgaacac ggcgatgctt agatgtgccc agcaagaaga 720
136 cccctggaaa tgggggttag ggaacacaca acaaccttga tctccttgaa gactctttct 780
137 gctcattgag tggataaggg cccagagatt cagtgtggtt ttctggggtt tgggcccttc 840
138 acagagtcag attttgggtt ttaaggaggg cctccctgtc cctggatggg ctccaaggac 900
139 agtctcagct gactgagtga gcagggtggc tgcctcaagt ctccatcagt ggcacgacac 960
140 atgatgagtg tccagtgggc cccattgctt gcagacacat cctctctgtc tctgaatttc 1020
141 acttccatct ccttctccca caccctgtct tcatttttagg ttcttgccc tctgaactct 1080
142 gaatttccac aattgcacac ttccctctat cccatctcca tgccttttgc tctcctgttc 1140
143 ccttagcctg ggttgcttcc acttgcttta ctgacttgca aaactcctac ccacgttttc 1200
144 aatttccatc cactgtgaat ccttccctga ctccaccaag agactcagat agaccttctt 1260
145 ctctgctccc cctgcattct tacatacttc tgtctgtatc ttatccatct tgaagtataa 1320
146 taaactgttg atatgttggt gtttacacaa gaccaagaaa tctcattggg ccaagtccat 1380
147 ccttcttcta ctccatgttg aatgcacctc gcatttgaga agtggtttgg taaagtggct 1440
148 ctctccttga atcccaacag ttggggaggg taggcctggc agatcgtctg aggtcaggag 1500
149 tttaaaacca gcttgcccaa tatggcaaaa cccactcttt ataaaaatcc agaaattagg 1560
150 cagggtgtgt ggtcctatgcc tgaatcccaa tgcctgtaat ccagccttg ggaggctgag 1620
151 gaaagagaat cacttgaatc caggaggcag aggttgccag gaactgagat tggaccactg 1680
152 cactccagcc tgggcaacac tgaacaaaac tgcctgtctg gaaaaaaaaa aaaaaaaaaa 1740

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155 <216> SEQ ID NO: 5

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157 <218> TYPE: DNA

158 <219> ORGANISM: Homo sapiens

W--> 160 <220> FEATURE: -

161 <223> OTHER INFORMATION: 951335CB1

163 <400> SEQUENCE: 5

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164 ggcctgttaa tccagctac tgggaggccc aaggcaggag aattgctcga actcaggggg 60
165 tggaggtttg agtgagttga gattgtgcca ttgcactcca gcttgggcaa cagagcaaga 120
166 ctctgtctca ggaaaaaaaaa aaaaaaaaaa aagaaaagca acatagtggg gtttctgtca 180
167 atctgtctcc ggttgccctt ctcaatttgt gatgggacct tgaaaaccaag cttgctaggt 240
168 gccctctgtg gctccagcct ttaccggaag tgtggtgcac gtttttaact tcagggaagc 300
169 ggtatcctgt cactggggtg tgggatgagc atggagaaga ggcaccagcc acgattcctt 360
170 cctaagcacc tctgtttctg actgctcatg aattgaagaa actgacaaaa aaaaaaatta 420
171 aaaaaaaaaa aaaaaaaa 438

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174 <210> SEQ ID NO: 6
175 <211> LENGTH: 483
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
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180 <223> OTHER INFORMATION: 2091133CT1
181 <400> SEQUENCE: 6
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185 atgaatagg ctgcattctt ttcttttate ctttgacctc ctctatcctc ctgctgttat 180
186 cttccagaag gagaagaac agcttcacag gaaaaqtaga ggagattttc ccattatggt 240
187 gaaagtgcac aatcagaatg tgaatatagga attctgggt ctgtaccagg catttactcc 300
188 tatgctgtta gctgatgtta aagaggggtg atttttttc ccttaggtct caacttctgt 360
189 gcttcacagg gaaattgggt ggaagtttga atggtttgtt gttgtctga ttgttttga 420
190 ttaaggagg ctgtaatgga acgaatacaa tggttattga tggagagtaa aaaaaaaaaa 480
191 aaa
193 <210> SEQ ID NO: 7
194 <211> LENGTH: 646
195 <212> TYPE: DNA
196 <213> ORGANISM: Homo sapiens
W--> 198 <220> FEATURE: -
199 <223> OTHER INFORMATION: 2383628CB1
200 <400> SEQUENCE: 7
202 tccccgctgc gcccgctgct gctggccctg gcccttgctt cctgaccttg cgcaccaggc 60
203 gcttcccccg cctccgcgca cctcaagcac tcggacggga cgcgcacttg cgcacaagctc 120
204 tatgacaaa ggcaccccta ctatgajaa tctgtcgggg ggcgcagact gtcgctggag 180
205 tgggagcgag acctgcctta cctgcctctc aactgggcca acacgcctc ctcaattgtg 240
206 gtggccccgc gctgcagact caccgtgttg tcccggaag gcaaggcggg caagacgcac 300
207 aagttctctg ccggcaacta cccgcgcttg gaggagtacc gccggggcat cttaggagac 360
208 tggtaaaaag ctatctccgc gctctactgc aggtgcagct gatgcattgc tggctctctc 420
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210 ggcacaaaag cccaggagga ggagcgttct gctgcctccc tcccacctcc cctgcaatac 540
211 agcctttgtg cagttgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ataaaaaaaa 600
212 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa cgaaaaaaaa aaaaaa
213 <210> SEQ ID NO: 8
214 <211> LENGTH: 1354
215 <212> TYPE: DNA
216 <213> ORGANISM: Homo sapiens
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221 <223> OTHER INFORMATION: 2774542CB1
222 <400> SEQUENCE: 8
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225 aattcaaggt tgggggtcgg gcccttctat atctggactt gcttccacc cgtgtctctt 120
226 gtcccttttt cctacggca gatagccatg tgtgagctg aatttgcaa tgacaaggcc 180
227 agggagccga gctgggtgg caggtggcga gtgtctggt acgaacgggt ttgtcagcca 240
228 ttcttggttc aactgctggg ctctgctctc tctatcttca tgggtgctt gtcggtcatt 300
229 gagaatggga cggacactgg gctgctgcag ccggccctgg cccacggggt ggccttgggg 360
230 ctgctgattg ccacgctggg gaatatcagt ggtggacact tcaacctgc ggtgtccctg 420
231 gcagccatgc tgatcggagg cctcaacctg gtgatgctc tccgtaactg ggtctcacag 480

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232 ctgctggggg ggatgctggg ggtgcttg gccaggcgg tgagtctga ggagaggttc 540
233 tggaaatgat ctgggagggc ctttgtgaca gtccaggagc aggggcaggg ggcaaggggc 600
234 ttggtggcag agatcatcct gaagaagct ctggccctgg ctgtatgat gggttccatc 660
235 aatgagaaga caaaggccc totggccccc ttcccatcg gctttgccc caccgtggat 720
236 atcctggctg ggggcccctgt gtctggagg tgcataatc ccgcccgtgc ttttgacct 780
237 ggggtggctg ccaaccactg gaacttccac tggatctact ggtggggccc actcctggct 840
238 ggcctgcttg ttggaactgt cattaggtgc ttcattggag atgggaagac ccgctcctc 900
239 ctgaaggctc ggtgaagcag agctgtggg attcctgtg ctccaggtgt cctcagctca 960
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243 gcccgcactg cccagagagc agtgcaaac ccacacacg agcgtgttcc ttgagaggaa 1200
244 tttcccagag ttgacaaag aggtgttcc tgcacatcag ctctttccc gaccccatt 1260
245 tcttcttga ttgtttgtt ggggcccctg ccacttctt gcttctcaag ctgacaattc 1320
246 tcaattgca ataaatagtc cagtgttcc tccc 1354

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249 <210> SEQ ID NO: 9

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251 <212> TYPE: DNA

252 <213> ORGANISM: Homo sapiens

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255 <223> OTHER INFORMATION: 2777115

257 <400> SEQUENCE: 9

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260 atcagtactt agttacaga cctatgtggg tgcctctatc ctctgtctt tttctctt 180
261 cagctctccc tgcctctcac acacaatttt acatgcccc aggagccaa gtttggacat 240
262 ttacccccc ggcctctgtg tcccctcttg aagagaaaa acacagcttc acacatccag 300
263 gcatagggg caagctctg gggcatcagg acctggagc accaggtct tcttggata 360
264 ttatgtccac ctgagacacc gggctctctt aagtctcac tggggaattc ggtcccacct 420
265 ggggacccag ttcccacctt gagactgtg tctgcccct gaggacaaag acctgtctct 480
266 cccagacttc tctctgactg cagccaggca tagtaccct gctgtgttt gctccctggt 540
267 ccaagattt ggtgctggg caggtgctg gacagtgat aggtcttgc gcttaactg 600
268 tcccccccag tcacttctcc cccaggccca gcaggacgca gtctgagga tcagggatc 660
269 taaagctgca ttaaaatcaa c 681

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272 <210> SEQ ID NO: 10

273 <211> LENGTH: 287

274 <212> TYPE: DNA

275 <213> ORGANISM: Homo sapiens

277 <220> FEATURE:

278 <221> NAME/KEY: unsure

279 <222> LOCATION: 182, 186

280 <223> OTHER INFORMATION: a or g or c or t, unknown, or other

W--> 282 <220> FEATURE: -

283 <223> OTHER INFORMATION: 3664676CBI

285 <400> SEQUENCE: 10

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286 gcagggttcc agcagacgca gcactggact cgtccagagg gcggcggttg agcggctggg 60
287 gccccttgga gccaccatgg accccgcagg cagcagacc ctcagtgcct cccaatcct 120
288 tgaactacct gaggctgcag gacagatcag agatgcagct gcagagcgaa gccgacaggc 180

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W--> 289 gnactncccg ggcacttgga ccaggtaacg gcggcgtggc agcgtgccct aggtggggac 240

VERIFICATION SUMMARY

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Input Set : A:\PB0008-1CIPSEQLST.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:23 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:67 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:94 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:120 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:160 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:179 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:198 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:220 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:254 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:282 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:298 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:317 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:343 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:373 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:462 M:256 W: Invalid Numeric Header Field, <220> has non-blank data